

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Tzvi Avnery and Jonathan Nord  
Application No.: 10/768,968 Group Art Unit: 1724  
Filed: January 30, 2004 Examiner: Not assigned  
Confirmation No.: 4558  
Title: Gas Separation Device

CERTIFICATE OF MAILING OR TRANSMISSION	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or is being facsimile transmitted to the United States Patent and Trademark Office on:	
10/15/04 Date	Ellen T. Spear Signature
Ellen T. Spear Typed or printed name of person signing certificate	

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This Information Disclosure Statement is submitted:

- ☐ under 37 CFR 1.129(a), or  
(First/Second submission after Final Rejection)
- ☒ under 37 CFR 1.97(b), or  
(Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the national stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional application, including a CPA, or a Request for Continued Examination).
- ☐ under 37 CFR 1.97(c) together with either:
- ☐ a Statement under 37 CFR 1.97(e), as checked below, or
- ☐ a \$180.00 fee under 37 CFR 1.17(p), or  
(After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97(d) together with:
- ☐ a Statement under 37 CFR 1.97(e), as checked below, and
- ☐ a \$180.00 fee under 37 CFR 1.17(p), or  
(Filed after final action or notice of allowance, whichever occurs first, but on or before payment of the issue fee)
- ☐ under 37 CFR 1.97(i):  
Applicant requests that the IDS and cited reference(s) be placed in the application filewrapper.  
(Filed after payment of issue fee)

Statement Under 37 CFR 1.97(e)

- ☐ Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Statement Under 37 CFR 1.704(d) (Patent Term Adjustment)

Applies to original applications (other than design) filed on or after May 29, 2000

- ☐ Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.
- ☒ Enclosed herewith is form PTO-1449:
- ☒ Copies of some of the cited references are enclosed.
- ☒ Since this application was filed after June 30, 2003, copies of issued U.S. patents and published U.S. applications are not required and are not being provided.
- ☐ Copies of the cited references are enclosed except those entered in prior application, U.S. Application No. [ ], to which priority under 35 U.S.C. 120 is claimed. [The earlier application contains copies of the cited references.]
- ☒ Some of the listed references were cited in the enclosed International Search Report in a counterpart foreign application.
- ☐ The "concise explanation" requirement (non-English references) for reference(s) [ ] under 37 CFR 1.98(a)(3) is satisfied by:
- ☐ the explanation provided on the attached sheet.
  - ☐ the explanation provided in the Specification.
  - ☐ submission of the enclosed International Search Report.
  - ☐ submission of the enclosed English-language version of a foreign Search Report and/or foreign Office Action.
  - ☐ the enclosed English language abstract.

☐ Applicant requests that the following non-published pending applications be considered:

Examiner's  
Initials

\_\_\_\_\_ U.S. Patent Application No. [    ], by [inventor(s)], filed [    ], Docket No.: [    ]

\_\_\_\_\_ U.S. Patent Application No. [    ], by [inventor(s)], filed [    ], Docket No.: [    ]

\_\_\_\_\_ U.S. Patent Application No. [    ], by [inventor(s)], filed [    ], Docket No.: [    ]

\_\_\_\_\_  
Examiner

\_\_\_\_\_  
Date

- ☐ A copy of each above-cited application, including the current claims, is enclosed.
- ☐ A copy of each above-cited application, including the current claims, is enclosed, except those entered in prior application, U.S. Application No. [    ], to which priority under 35 U.S.C. 120 is claimed.

The Examiner is requested to return a copy of the above list of pending applications indicating which references were considered with the next office communication.

It is requested that the information disclosed herein be made of record in this application.

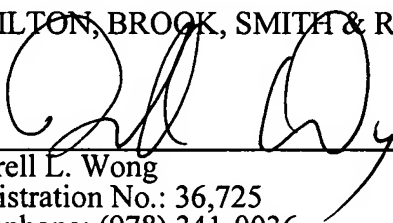
Method of payment:

- ☐ A check for the fee noted above is enclosed, or the fee has been included in the check with the accompanying Reply. A copy of this Statement is enclosed.
- ☐ Please charge Deposit Account 08-0380 in the amount of \$[    ]. A copy of this Statement is enclosed.
- ☒ Please charge any deficiency in fees and credit any overpayment to Deposit Account 08-0380.

Respectfully submitted,

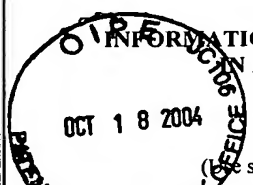
HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By

  
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Concord, MA 01742-9133

Dated: 10/15/2004

PTO-1449 REPRODUCED		ATTORNEY DOCKET NO. 2251.2013-001	APPLICATION NO. 10/768,968	
 INFORMATION DISCLOSURE CITATION IN AN APPLICATION August 27, 2004 (Use several sheets if necessary)		FIRST NAMED INVENTOR Tzvi Avnery		FILING DATE January 30, 2004
		EXAMINER Not assigned	CONFIRMATION NO. 4558	GROUP 1724

## U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL	REF. NO.	DOCUMENT NUMBER Number-Kind Code (if known)	ISSUE DATE / PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT
	AA	6,245,309 B1	06/12/2001	Etievant et al.
	AB	4,943,356	07/24/1990	Dietrich
	AC	5,409,784	04/25/1995	Bromberg et al.
	AD	4,414,082	11/08/1983	Neary et al.
	AF	5,015,349	05/14/1991	Suib et al.
	AF	5,131,993	07/21/1992	Suib et al.
	AG	5,430,207	07/04/1995	Keck
	AH	5,744,067	04/28/1998	Jahnke
	AK	5,929,286	07/27/1999	Krumpelt et al.
	AJ	US 6,187,226 B1	02/13/2001	Detering et al.
	AK	US 6,210,562 B1	04/03/2001	Xie et al.
	AA2	US 6,331,283 B1	12/18/2001	Roy et al.
	AB2	US 6,395,197 B1	05/28/2002	Detering et al.
	AC2	US 6,451,174 B1	09/17/2002	Burkitbaev
	AD2	US 2002/0177745 A1	11/28/2002	Bullock
	AE2	US 2002/0151604 A1	10/17/2002	Detering et al.
	AF2	US 2002/0104435 A1	08/08/2002	Baker et al.
	AG2	US 2002/0125173 A1	09/12/2002	Kuno
	AH2			
	AI2			
	AJ2			
	AK2			
	AA3			
	AB3			
	AC3			

EXAMINER	DATE CONSIDERED
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<b>PTO-1449 REPRODUCED</b>  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  <b>August 27, 2004</b>  (Use several sheets if necessary)	<b>ATTORNEY DOCKET NO.</b> 2251.2013-001	<b>APPLICATION NO.</b> 10/768,968	
	<b>FIRST NAMED INVENTOR</b> Tzvi Avnery		<b>FILING DATE</b> January 30, 2004
	<b>EXAMINER</b> Not assigned	<b>CONFIRMATION NO.</b> 4558	<b>GROUP</b> 1724

### FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER Country Code-Number-Kind Code (if known)	DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	TRANSLATION YES NO	
	AL	WO 02/26378 A1	04-04-2002	University of Wyoming		
	AM	WO 93/11855 A1	06-24-1993	Fabretti Holdings Limited		
	AN	JP 11 278802 A (Abstract Only)	10-12-1999	Fujitsu Ltd., Japan Fine Ceramics Center		
	AO					
	AP					
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	AQ4					

EXAMINER	DATE CONSIDERED
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PTO-1449 REPRODUCED  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  <b>August 27, 2004</b>  (Use several sheets if necessary)	ATTORNEY DOCKET NO. 2251.2013-001		APPLICATION NO. 10/768,968	
	FIRST NAMED INVENTOR Tzvi Avnery		FILING DATE January 30, 2004	
	EXAMINER Not assigned		CONFIRMATION NO. 4558	GROUP 1724

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	AR	"Novel Micro-Fuel Processor," InnovaTek website, <a href="http://www.tekkie.com/nmfp.htm">http://www.tekkie.com/nmfp.htm</a> , downloaded 09/06/2002.
	AS	Nice, K., "How Fuel Cells Work," <a href="http://www.howstuffworks.com/fuel-cell2.htm">http://www.howstuffworks.com/fuel-cell2.htm</a> , downloaded 09/06/2002.
	AT	Nice, K., "How Fuel Processors Work," <a href="http://www.howstuffworks.com/fuel-processor.htm">http://www.howstuffworks.com/fuel-processor.htm</a> , downloaded 09/06/2002.
	AU	"Thermal Cracking of Used Oil to Produce Distillate Gasoil," by Don Kress, President, Par Excellence Developments, Inc., Sudbury, Canada.
	AV	"Thermal Cracking," <a href="http://www.svce.ac.in/PetroleumTech/Unit/ThermalCracking">http://www.svce.ac.in/PetroleumTech/Unit/ThermalCracking</a> , downloaded 12/30/2002.
	AW	Freudenrich, C.C., "How Oil Refining Works," <a href="http://www.howstuffworks.com/oil-refining.htm">http://www.howstuffworks.com/oil-refining.htm</a> , downloaded 12/30/2002.
	AX	Geissler, K., <i>et al.</i> , "Kinetics and Systems Analysis for Producing Hydrogen from Methanol and Hydrocarbons."
	AY	
	AZ	
	AR2	
	AS2	
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	AU2	
	AV2	
	AW2	

EXAMINER	DATE CONSIDERED
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